JOURNAL

OF THE

IMPERIAL FISHERIES INSTITUTE

Vol. XXV No. 1—3.

August, 1929 — March, 1930

THE IMPERIAL FISHERIES INSTITUTE

Tokyo

Contents of Vol. XXV.

Page.

On the Action of Electric Current on Fishes II. Electrophobotaxis of Fishes in a Group. By M. OKADA..... 1

Anaesthesia of the Water-flea, *Moina macrocopa* Strauss, in Relation to Age. By A. TERAO and T. TANAKA..... 13

Distribution of Benthonic Organisms and Hardness of Seabottom. By T. MIURA (Transl. by A. TERAO & M. OKADA)..... 15

On the Biology and Culture of the Marine Alga, *Porphyra tenera* Kjellm. (*Asakusanori*). By D. KUSAKABE..... 21

Nuptial Organ of the Salmonoido Fish, *Plecoglossus altivelis* T. & S. By K. EBINA..... 23

Studies of Netting Cords. IV. Strength of Cord in Relation to the Twist. By M. TAUTI..... 27

On the movement of a fish-group. IV. The shape of the entrance of fishing net and the fish-group moving in and out. By M. TAUTI & H. YASUDA..... 41

Placoid Scales of Five Species of Selachians belonging to Carchariidae. By K. SAKAMOTO..... 51

Exponential Decrease of Susceptibility to Anaesthesia with Age in the Water-flea, *Moina macrocopa* Strauss. By A. TERAO & T. TANAKA..... 63

Population Growth of the Water-flea, *Moina macrocopa* Strauss, in Relation to the Amount of Culture-medium. By A. TERAO & T. TANAKA..... 65

Duration of Life of the Water-flea, *Moina macrocopa* Strauss, in Relation to Temperature. By A. TERAO & T. TANAKA..... 67